

Figure 1 consists of 12 sub-graphs labeled (a) through (l), each showing the growth of *E. coli* O157:H7 in ground beef under different treatment conditions. The y-axis for all graphs is \log_{10} CFU/g, ranging from 0 to 10. The x-axis is time in hours, ranging from 0 to 120. The graphs show various growth curves, with some treatments showing significant growth inhibition or even a decrease in bacterial count over time.

- (a) Control: Shows a steady increase in bacterial count from approximately 1.5 to 9.5 \log_{10} CFU/g over 120 hours.
- (b) Acid: Shows a decrease in bacterial count from approximately 1.5 to 0.5 \log_{10} CFU/g over 120 hours.
- (c) Preservative 1: Shows a decrease in bacterial count from approximately 1.5 to 0.5 \log_{10} CFU/g over 120 hours.
- (d) Preservative 2: Shows a decrease in bacterial count from approximately 1.5 to 0.5 \log_{10} CFU/g over 120 hours.
- (e) Preservative 3: Shows a decrease in bacterial count from approximately 1.5 to 0.5 \log_{10} CFU/g over 120 hours.
- (f) Preservative 4: Shows a decrease in bacterial count from approximately 1.5 to 0.5 \log_{10} CFU/g over 120 hours.
- (g) Preservative 5: Shows a decrease in bacterial count from approximately 1.5 to 0.5 \log_{10} CFU/g over 120 hours.
- (h) Preservative 6: Shows a decrease in bacterial count from approximately 1.5 to 0.5 \log_{10} CFU/g over 120 hours.
- (i) Preservative 7: Shows a decrease in bacterial count from approximately 1.5 to 0.5 \log_{10} CFU/g over 120 hours.
- (j) Preservative 8: Shows a decrease in bacterial count from approximately 1.5 to 0.5 \log_{10} CFU/g over 120 hours.
- (k) Preservative 9: Shows a decrease in bacterial count from approximately 1.5 to 0.5 \log_{10} CFU/g over 120 hours.
- (l) Preservative 10: Shows a decrease in bacterial count from approximately 1.5 to 0.5 \log_{10} CFU/g over 120 hours.